

Olivine Thermometers and Hygrometers

Reference	Name in Thermobar	T-dependent?	P-dependent?	H ₂ O-dependent?
Olivine-Liquid thermometry. Function “calculate_ol_liq_temp”				
Putirka (2008)	T_Put2008_eq19		✓	✗
	T_Put2008_eq21		✓	✓
	T_Put2008_eq22		✓	✓
Beattie (1993)	T_Beatt93_ol		✓	✗
	T_Beatt93_ol_HerzCorr		✓	✗
Sisson and Grove (1992)	T_Sisson1992		✓	✗
Pu et al. (2017)	T_Pu2017		✗	✗
Pu et al. (2021)	T_Pu2021		✓	✗
Olivine-Liquid hygrometers. Function “calculate_ol_liq_hygr”				
Gavrilenko et al. (2016)	H_Gavr2016	✗	✗	
Olivine-Spinel thermometry. Function “calculate_ol_sp_temp”				
Coogan et al. (2014)	T_Coogan2014		✗	✗
Wan et al. (2008)	T_Wan2008		✗	✗